

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions, and listings, of claims in the captioned patent application:

Listing of Claims:

1. (Currently Amended) A testing apparatus for concurrently testing at least one component components of a medical device and diagnosing problems associated therewith, the testing apparatus comprising:

at least one a plurality of testing station for receiving stations configured to receive and communicably couple to a first component being of a first type and a second component being of a second type, wherein the first component is not of the second type and the second component is not of the first type said at least one component and making an electrical and/or inductive connection thereto; and

at least one testing circuit adapted communicably coupled to said plurality of testing stations and configured to concurrently apply at least one a test to each of said first and second components component and to measure the response of the a response of each of said first and second component components to said test;

a memory means for storing data indicative of the response to said test of at least one equivalent component that is known to be operational;

a comparator means for comparing the response of said component to said test to said data and determining whether said response is at least substantially similar to said data; and
an output means for outputting a result of said comparison.

2. (Currently Amended) The testing apparatus of claim 1 wherein claim 1, wherein the medical device is a cochlear implant system and further wherein said at least one component first and second components that is to undergo testing comprises comprise a cable and/or and a transmitter coil of said cochlear implant system adapted to be connected to an external speech processor component of said system.

3-4. (Cancelled)

5. (Currently Amended) The testing apparatus of claim 4 claim 1 wherein the plurality of testing stations comprise two or more stations configured to receive two or more types of cables and further configured to make apparatus is capable of testing at least two different types of cable and has at least two testing stations for providing an electrical connection to said cables.

6. (Cancelled)

7. (Currently Amended) The testing apparatus of claim 6 claim 5 wherein each cable testing station for each of said two or more types of cables comprises a socket having a shape that is adapted to receive a plug one of said two or more types of cables of a particular cable design and no other, said socket allowing electrical connection to the cable under test.

8. (Currently Amended) The testing apparatus of claim 3 claim 1, wherein said plurality of testing stations comprise a the apparatus has a single coil testing station configured to test said transmitter coil.

9. (Currently Amended) The testing apparatus of claim 8 wherein the coil testing apparatus station comprises a planar area in the first surface of the case on which the tested transmitter coil can be placed during testing.

10. (Currently Amended) The testing apparatus of claim 9 wherein the planar area has an indicia means indicator provided thereon that provides an indication of where the tested said transmitter coil should be placed to ensure an appropriate test of the tested coil is undertaken during testing.

11. (Currently Amended) The testing apparatus of claim 10 wherein the indicia means said indicator comprises a pictorial representation of a transmitter said transmitter coil.

12. (Cancelled)

13. (Currently Amended) The testing apparatus of claim 1 wherein a first magnet is positioned at or below the planar surface of the case, said first magnet adapted to provide magnetic alignment with a second magnet disposed within a coil adjacent said transmitter coil under test and so to maintain the coil in the correct place in a correct position for testing.
14. (Currently Amended) The testing apparatus of claim 9 wherein each tested said plurality of testing stations further comprises one or more coil testing stations configured to test a cable extending from the transmission coil has a cable extending therefrom that is also testable by the testing apparatus.
15. (Currently Amended) The testing apparatus of claim 9 wherein the apparatus is configured to sense capable of sensing the specific type of components among said two or more types of components the type of coil, cable, or coil and cable combination that is under test and further configured to then access from the memory means component the appropriate stored data for each said specific type of components use by the comparator means of the apparatus.
16. (Currently Amended) The testing apparatus of claim 1, further comprising a wherein the apparatus further comprises a control circuit configured to control means that controls the overall function of the operations of the testing apparatus.
17. (Currently Amended) The testing apparatus of claim 16 wherein the control means circuit comprises a microcontroller.
18. (Currently Amended) The testing apparatus of claim 17 wherein the microcontroller further acts as control circuit comprises a the memory means component for the testing apparatus.
19. (Currently Amended) The testing apparatus of claim 17 wherein the microcontroller further comprises a microprocessor having an analogue analog to digital converter (ADC) configured to digitise digitize the measurements representative of the tested component.

20. (Currently Amended) The testing apparatus of claim 17 wherein the measurements from said one or more at least one testing circuits are circuit is in the form of current and voltage levels and levels, and further wherein said data indicative of the response of said equivalent operational component is indicating a desired response to said first test are in the form of voltage and current ranges associated with non-faulty cables and transmitter coils used in cochlear implant systems.

21. (Currently Amended) The testing apparatus of claim 1, further comprising an output component for outputting a result of said comparison wherein the output means comprises one or more lights that are illuminated or turned off in response to the outcome of the test.

22. (Currently Amended) The testing apparatus of claim 21 wherein said output component comprise a light configured to a light illuminates illuminate if the tested component passes the test and test fails to illuminate if the tested component is inoperative or faulty.

23. (Currently Amended) The testing apparatus of claim 21 claim 22, wherein the said light is a light emitting diode (LED).

24. (Currently Amended) A method of concurrently testing at least one component components of a medical device and diagnosing problems associated therewith comprising the step of using a testing apparatus having a plurality of testing stations, comprising:

receiving, by the testing apparatus, a first component being of a first type and a second component being of a second type, wherein the first component is not of the second type and the second component is not of the first type;

communicably coupling making an electrical and/or inductive connection between the first and second said components component and at least one with a first and second of said plurality of testing station of the stations, respectively, of the testing apparatus as defined in claim 1 apparatus; and

performing a test on said first and second components component concurrently.

25. (New) The method of testing of claim 24, wherein said performing a test comprises:

- applying a first and second test to the first and second components;
- measuring a response to each said applied first and second test;
- retrieving stored data comprising desired response data for each said first and second test;

and

- comparing the measured response to the desired response for each said first and second test.

26. (New) The method of testing of claim 24, wherein the testing apparatus and at least one of the two components each have corresponding magnets, and further wherein said receiving at least two of said two or more types of components further comprises:

- magnetically coupling at least one of said two components to the testing apparatus.

27. (New) The method of testing of claim 25, further comprising:

- sensing the specific type among the two or more types of components,
- wherein said retrieved data corresponds to the sensed type of component from a plurality of stored data for each of the two or more types of components.

28. (New) The testing apparatus of claim 1, further comprising a memory component configured to store data indicating a desired response to said first test.

29. (New) The testing apparatus of claim 1, further comprising a comparator circuit configured to compare said measured response to a desired response stored in a memory component and to generate output indicating whether said measured response is at least substantially similar to said desired response.